

The Honorable Diane Feinstein  
United States Senate  
Washington DC 20510

93 FEB -3 PM 6:14

Dear Senator Feinstein,

I am very concerned about the proposed rule that is currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted the new rule will greatly reduce the usability of frequencies currently assigned for Radio Controlled model use and increase the risk of accidents and attendant liability.

Our radio control frequencies are in the 72-76 Mhz band. This band is primarily used for private land mobile dispatch operation. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without interference.

The Notice of Proposed Rule Making (NPRM) in PR Docket 92-

January 29, 1993

Keith R. Cox  
325 Raven Court  
Healdsburg, CA 95448

The Honorable Diane Feinstein  
United States Senate  
Washington, D.C. 20510

90 FEB -8 PM 6:15

Dear Ms. Feinstein,

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the usability of radio frequencies currently assigned for model aircraft use and will increase the risk of accidents and attendant liability for controlling model aircraft. Our radio control frequencies are in the 72-76 MHz band which is also used for private land mobile dispatch operations. However, our radio control frequencies in this band are currently far enough apart from the land mobile frequencies that we have been able to share the band without interference.

The FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted. When we fly model aircraft under radio control, we go to great lengths to assure the safety of the operators, bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of usable frequencies is diminished, those remaining will become congested and the safety margin will be greatly decreased.

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control. As we often fly our models at organized events where hundreds of operators participate, we need the use of our full complement of

# Rick Utley

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426 Grand Prix Avenue • Manteca, California 95336  
❖ (209) 239-1461 ❖

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January 28, 1993

FCC  
1919 M Street, NW  
Washington, DC 20554

Ref.: PR Docket 92-235

Dear Sirs;

I am writing to **express my concern** about the above mentioned proposed rule.

As an engineer in the computer communications area, I realize the definite **devastating effects** this rule would have on Radio Controlled (R/C), Airplanes, a hobby which provides many stress relieving hours of flying. A hobby I am afraid, that is in great jeopardy, given the proposed rule.

While state of the art microelectronic devices are capable of closer frequency tolerances, the radios used by million of hobbyists today, would be **vulnerable to signal corruption**.

As an R/C hobbyist, I **personally own 6 radio/receiver sets**. Having just spent money to update these systems to current standards, *I would not want to have to replace them*. An entry level system, in today's dollars runs about \$ 175.00.

With model aircraft flying in excess of one hundred miles per hour, often in public demonstrations, it could prove disastrous, if pilot control were hampered, even for a fraction of a second.

Liability insurance currently required, by even the smallest flying club, is **\$ 1,000,000.00**. I believe that if PR Docket 92-235 is carried out, many, many millions will be lost in liability.

**I urge you to stop PR Docket 92-235**

Thank you in advance, for making the right decision.

Richard D. Utley

cc: Senator Barbara Boxer  
Senator Diane Feinstein  
Representative Anna Eshoo

*Rick Utley*

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426 Grand Prix Avenue • Manteca, California 95336  
❖ (209) 239-1461 ❖

93 FEB -3 PM 5:18

January 28, 1993

Senator Diane Feinstein  
United States Senate  
Washington, DC 20510

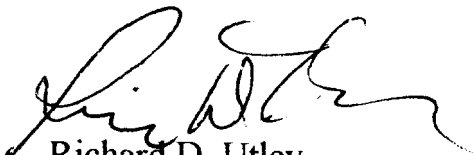
Ref.: **PR Docket 92-235**

Dear Senator Feinstein;

I am writing to **express my concern** about the above mentioned proposed rule.

Please review the enclosed letter to the FCC. I am in hopes that you will take whatever action that is in your power to stop PR Docket 92-235

Thank you in advance.



Richard D. Utley



**FUTABA**  
CORPORATION OF AMERICA

02-05-93

The Honorable Dianne Feinstein  
909 Montgomery St.  
Suite 202  
San Francisco, CA 94133

SEP 17 1993

Dear Senator Feinstein:

I am currently employed with Futaba Corporation of America and have been for the last six years. Futaba is the World's Leading Manufacturer of Radio Control(R/C) equipment for the hobby industry.

I am writing in concern with the proposed rules that are currently under consideration by the Federal Communications Commission(FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for R/C model use and increase the risk of accidents and attendant liability for controlling model airplanes and helicopters. Additionally, undue costs would be created by the obsolescence of all existing R/C equipment and very high replacement costs of new equipment that would be able to operate in the new environment. This in turn will decrease sales and revenues which will cause lost jobs.

The R/C frequencies that are used for hobbyists are in the 72-76 MHz band. This band is primarily used for private land and mobile dispatch operations. However, the R/C frequencies in this band are far enough apart from the land mobile frequencies that both have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower band widths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the R/C

February 11, 1993

The Honorable Dianne Feinstein

The Honorable Dianne Feinstein  
909 Montgomery St.  
San Francisco, CA 94133

February 8, 1993

SEP 17 1993

Dear Ms. Feinstein,

I am a local resident who derives many hours of enjoyment and education from my hobby of building and flying radio controlled model aircraft. I have just been informed that the FCC has issued a notice of Proposed Rule Making PR Docket 92-235. These rule changes will have a very detrimental effect on all forms of radio controlled models. All of my modeling friends and I have invested large amounts of money in our equipment and the insertion of additional frequency channels within the modeling range could render some of them useless. As my representative, I urge your support in defeating this measure.

Sincerely,



Milton W. Gibbs  
655 Golden West Dr.  
Redlands, CA 92373

February 10, 1993

The Honorable Dianne Feinstein  
909 Montgomery St., Suite 202  
San Francisco, CA 94133

SEP 17 1993

Dear Senator Feinstein,

I am an Electronic Technician working for Futaba Corp. of America. I have been a technician for the past six years, of which four have been with Futaba. I have repaired more radio systems and helped more hobbyists than I imagined involved in Radio Controlled Hobbies. Sometimes my job is pretty challenging as it lets me help solve problems for people across our country and in other countries. Other times I feel like a machine as the repairs become more repetitive. Over all I like working at Futaba and it's always changing environment.

Our Marketing Manager at Futaba recently distributed a memo outlining proposed rules currently under consideration by the Federal Communications Commission (FCC). These rules contained in PR Docket 92-235, Part 88 and Part 95, if adopted would create problems for the RC Hobby Industry, hobbyists and people all over. If passed unchanged, the FCC proposal will seriously threaten my employment at Futaba. It also threatens many others working in the hobby industry.


Right now RC hobbyists use frequencies in the 72 MHz to 76 MHz band. Land Mobil Dispatch (LMD) operations have primary use of this band. Hobbyists are secondary users of frequencies spaced over 72 MHz and part of 75 MHz. LMD and hobby frequencies are spaced far enough apart that we have been able to share the band without interfering with each other. Futaba and the RC Industry have narrowed the bandwidth of its transmitters and receivers to reduce the chance of interference problems. When a model crashes it is never a pretty sight.

The FCC proposed band restructuring would create more LMD frequencies by shrinking them into narrower bandwidths and inserting them in the band plan. Of 50 frequencies available for hobby aircraft use, only about 19 will remain under the new plan. All of which will have LMD frequencies closer than ever before. In some cases, hobby users would lose Control as soon as LMD transceivers turn on. Transceivers, such as two way radios, have output ratings of one watt. LMD frequencies used by paging and voice mail Transmitters having output ratings of 50 to 300 watts. Hobby transmitters have a three quarter watt limit. Typically, transmitters are well below half a watt. This situation will undoubtedly increase the chance of someone being injured or property being damaged.

I do not think it is wise of the FCC to improve conditions of LMD users at expense of RC modelers and the safety of everyone else. The last thing California needs is another industry announcing layoffs. The FCC may not think modelers are as important as commercial radio users, but the people I talk to have a considerable investment in radio equipment and models. I, myself greatly enjoy RC modeling.

Please help me continue the safe enjoyment of modeling by not allowing the FCC to carry out its planed restructuring of the 72 to 76 MHz band.

Sincerely,



Jerry Houser  
Concerned Electronic Technician

Sen Dianne Feinstein,  
Montgomery st suite 202 San Francisco, 94133

SEP 17 1993

Dear Senator,

I have been interested in aviation for as long as I can remember. I am an employee of our company for almost 10 years I personally own 4 radios, 2 R/C model and I have a workshop. I am very happy and enjoy constructing & repairing radio controlled model airplanes.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is FR (Docket 92-235). If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72-76 MHz band this band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far removed from the land mobile frequencies

and my children will not be able to attend a University. It is very hard for me to find a job now at 50 years of age.

When we fly our model airplanes under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordinations and use of the radio control frequencies. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the margin of safety will be greatly decreased.

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The model themselves are expensive to build, but more to the point they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies.

enjoyment of my pastime and help my children have a chance to attend a University by not allowing the FCC to carry out its proposals for the 72-76 MHz band.

Sincerely,

Myraint

FEB 23 AM 10:03

Feb. 9, 1993

The Honorable Dianne Feinstein  
900 Montgomery St., Suite 202  
San Francisco, CA 94133

SEP 17 1993

Dear Senator Feinstein,

I am writing to protest a proposed FCC rule change in radio frequency usage (PR Docket 92-325). My husband and I have enjoyed modeling activity as a hobby for many years. A rule change that became effective January, 1991 provided a suitable number of channels for radio control of models but necessitated buying new radio equipment.

The proposed rule change now will take away and/or make some of those channels unusable and may require purchase of more new radio equipment. This equipment is expensive to buy and why can't FCC regulations be stable enough so it can be used for a period of time (at least longer than two years).

Please vote against this rule change. Thank you.

Sincerely,



Patricia Sangl

Magalia, CA 95954

Bernd E. Herrbrich  
2753 Vista Mesa Drive  
Rancho Palos Verdes,  
California 90274

1993 FEB 22 PM 8:20

February 16, 1993

The Honorable Diane Feinstein  
331 Hart Building  
Washington, DC 20510

Subject: PR Docket 92-235  
Splitting of FCC Frequencies in the 72-76 MHz Band

Edward Kjorness

123 FEB 22 PM 8:22

I do not think it is wise and is unfair of the F.C.C. to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers.

Please help me continue the safe enjoyment of my hobby by not allowing the F.C.C. to carry out its proposals for the 72 to 76 MHz band, and vote against PR Docket 92-235.


Sincerely,

*Edward Kjorness*  
Edward Kjorness

107  
The Honorable Diane Feinstein  
United States Senate  
Washington DC 20510

Dear Senator Feinstein,

I am very concerned about the proposed rule that is



Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposal PR Docket 92-235 for the 72-76 Mhz band. We need your help now on this matter as the FCC has a February 26, 1993 deadline after which it may be very difficult to avoid having these proposals going into affect.

Sincerely,

A handwritten signature in cursive script, appearing to read "Stephen E. Ross".

Stephen E. Ross  
1622 Calle Artigas  
Thousand Oaks, CA. 91360  
(805) 529-8678

February 10, 1993

23 FEB 25 PM 5:40

Honorable Dianne Feinstein  
Suite 331  
Senate Hart Office Building  
Washington, D. C. 20510

Re: Federal Communication Commission  
NPRM-PR Docket 92-235, Part 95

Dear Senator Feinstein:

As one of the thousands and thousands of avid flyers of radio control model airplanes, a good number of these the youths of our country, I am deeply concerned about the Federal Communication Commission "Commission's Notice of Proposed Rule Making - PR Docket 92-35, Part 95", which if adapted will greatly reduce the usability of radio frequencies assigned for radio control models.

This proposed rule change will split the 72 - 76 MHz band into more segments [72 - 76 MHz band is the frequency range assigned by the FCC for the use of radio control models] in order to add more mobile land frequencies. This would put the mobile land frequencies very close to radio control frequencies [2.5 kHz] and with the proposed specifications for mobile land equipment allowing them frequency tolerances that could put them directly on radio control frequencies and also allow them to operate at four times the transmitting power resulting in interference with the radio control models.

The resulting interference would cause the loss of control of the model airplanes with a high potential for bodily injury, death and property damage as some of these models weigh up to forty pounds and some fly at speeds of over one hundred miles per hour.

It is hoped that with your help, FCC NPRM-PR Docket, Part 95 can be eliminated or modified to become workable.

Sincerely,

*Henry B. Steek*  
53460 Avenida Rubio

La Quinta, CA 92053  
(619) 564-2425

*I am retired, and flying model airplanes is a major part of my recreational activities.*  
HBS

February 10, 1993

1993 FEB 25 PM 5:40

Honorable Dianne Feinstein  
Suite 331  
Senate Hart Office Building  
Washington, D. C. 20510

Re: Federal Communication Commission  
NPRM-PR Docket 92-235, Part 95

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As one of the thousands and thousands of avid flyers of radio control model airplanes, a good number of these the youths of our country, I am deeply concerned about the Federal Communication Commission "Commission's Notice of Proposed Rule Making - PR Docket 92-35, Part 95", which if adapted will greatly reduce the usability of radio frequencies assigned for radio control models.

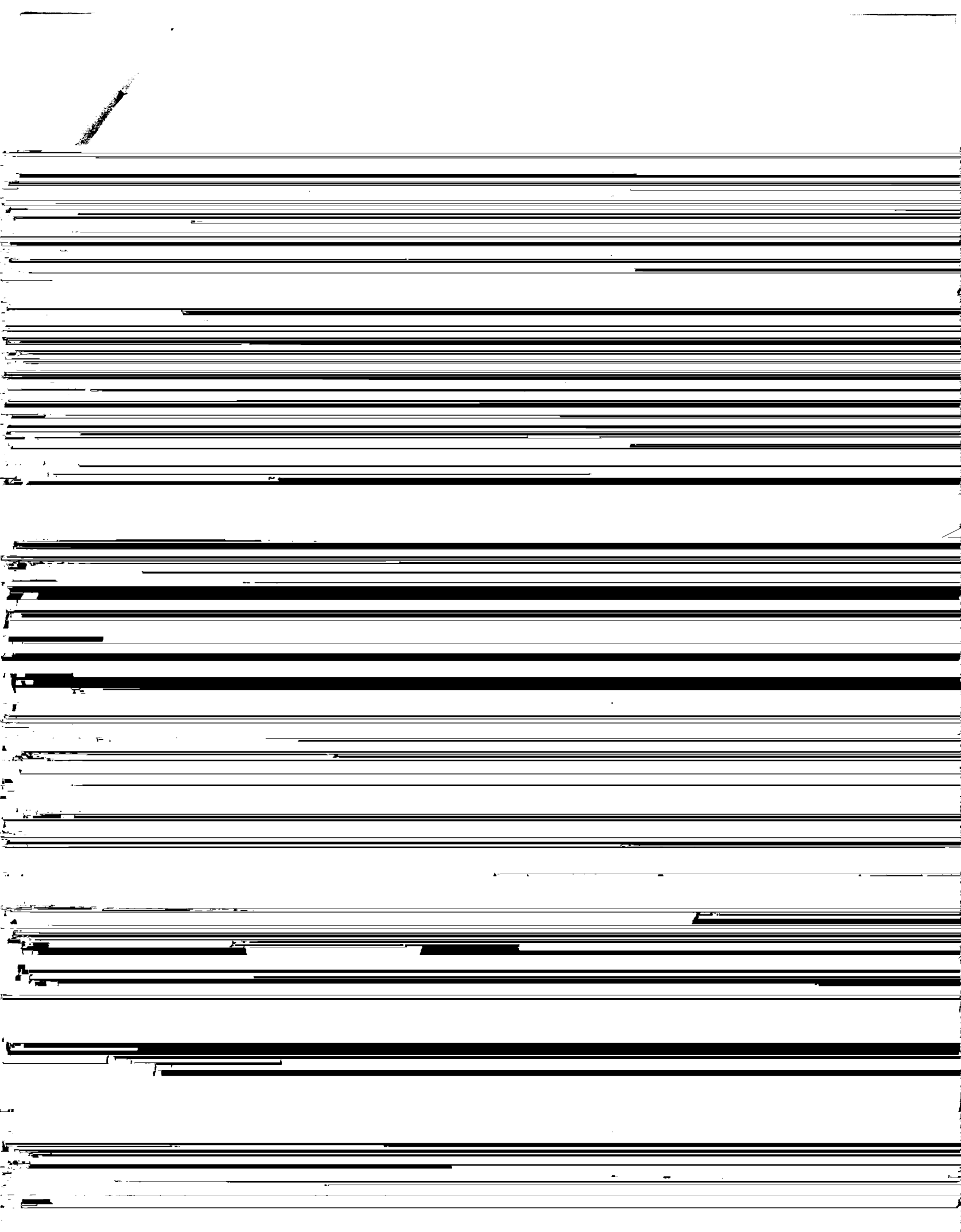
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The resulting interference would cause the loss of control of the model airplanes with a high potential for bodily injury, death and property damage as some of these models weigh up to forty pounds and some fly at speeds of over one hundred miles per hour.

It is hoped that with your help, FCC NPRM-PR Docket, Part 95 can be eliminated or modified to become workable.

Sincerely,

*Lee Turk*  
*Robert J. Haddad*  
*Lee Turk*



088 FEB 25 PM 6:07

February 10, 1993

Honorable Senator Dianne Feinstein  
331 Hart Senate Office Bld.  
Washington, DC 90510-0504

Dear Ms. Feinstein:

I am retired and derive many hours of enjoyment from constructing and operating radio controlled model airplanes. I have been interested in aviation for as long as I can remember and I am active in a local club whose members enjoy constructing and operating said planes.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is FR Docket 92-235. If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72 - 76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted.

When we fly our model airplanes under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the margin of safety will be greatly decreased.

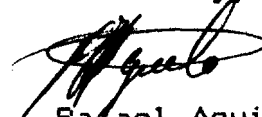
Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they

are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72-76 MHz band.

Sincerely,



Rafael Aguilo  
P. O. Box 586576  
Oceanside, CA 92058

01:50:56

18 February 1993  
Gordon C. Schwinck  
43751 N. Elm Avenue  
Lancaster, CA 93534

The Honorable Diane Feinstein  
331 Hart Building  
United States Senate  
Washington, D.C. 20510

Dear Senator Feinstein,

I have been interested in aviation since boyhood when I would build flyable rubber band airplanes and static models. In college, I majored in mechanical engineering and obtained my private pilots license in hopes of becoming a commercial airline pilot. However, the Vietnam War flooded the industry with pilots and I couldn't find employment in that field. So today, I find that radio controlled models fulfill my desire to fly and I spend many satisfying hours in this remarkable hobby.

It has come to my attention that, as a result of the Federal Communications Commission (FCC) proposed rules currently under consideration, my hobby is in great jeopardy. The proceeding that I am referring to is PR Docket 92-235. I am greatly concerned because if adopted, the new rules will severely reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72 to 76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death

January 25, 1993

The Honorable Dianne Feinstein  
United States Senate  
Washington, DC 20510

JAN 26 1993 3:49

Dear Senator Feinstein :

I have been interested in aviation for some time now. To pursue my interests I took up the hobby of radio controlled model aircraft construction and flying. I belong to the local R/C modelers club and own several model aircraft and radios. Due to the expense of this hobby I have a substantial financial investment in model aircraft, kits, engines and tools.

I am very concerned about the proposed rule that is currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted the new rule will greatly reduce the usability of frequencies currently assigned for R/C model use and increase the risk of accidents and attendant liability.

Our radio-controlled frequencies are in the 72-76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio controlled frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either of us interfering with each other.

The Notice of Proposed Rule Making (NPRM) in PR Docket 92-235 replaces Part 90 of the rules with a new Part 88. Part 90 allows for safe use of R/C aircraft and surface models by keeping 10 KHz spacing between fixed commercial users and frequencies used by R/C enthusiasts. The new Part 88 will allow mobile users on frequencies within 2.5 KHz of frequencies available to us, eliminating safe use of at least 31 of the 50 channels on the 72 MHz band (for R/C aircraft) and 10 of the 30 frequencies on the 75 MHz band (for R/C cars and boats) now used by hobbyists. In fact, more channels will likely be affected.

When we operate our R/C models, we go to great lengths to assure safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of useable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the margin of safety will be greatly decreased.

I don't think it is wise of the FCC to seek to expand the operation conditions of mobile radio users at the expense of the radio-control modelers. The FCC may not think we are as important as business users of radio, but we have a considerable investment in our models and in our radio equipment. It is a sizeable industry that must be saved from these detrimental FCC actions. The hobby provides many hours of enjoyment to hundreds of thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposal PR Docket 92-235 for the 72-76 MHz band. We all need your help urgently because the FCC has a deadline of February 26, 1993 after which it may become more difficult to avoid halting these proposals from going into effect.

Sincerely,

*Ron Bresnik*

Ronald A. Bresnik  
2530 Graystone Pl.  
Simi Valley CA 93065